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ABSTRACT OF THE DISCLOSURE

The present invention discloses a method for allocating real-time audio data from N audio channels in a system having a first processor and a second processor. The method comprises the steps of: (1) providing P memory banks where each memory bank is accessible to the first and second processors; and (2) storing P subsets of the audio data in P memory banks, respectively, where the P subsets correspond to P different groups of audio channels.